Main information	Name of subject, code and	DSN 417 Ergonomics, 6 ECTS	
	the number of credits		
	Department	Architecture and design department	
	Program (bachelors,	Bachelors	
	master)		
	Academic semester	Fall semester of the 2024/2025 academic year	
	Teacher	Leyla Huseynova	
		PhD student	
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		leila.huseynova.00@gmail.com	
	Telephone:		
	Lecture Room/Table	Neftchiler campus,	
	Counseling hours	At times agreed upon with students	
Prerequisites	-		
Language of instruction	English		
Type of subject	Selection		
(compulsory, elective)	1 Tasshing of anonor	\mathbf{v}	
	1. Teaching of ergonomics in the design environment V.F. Runge, Y.P.		
Lessons and	2 Ergonomics and Lak	or Processes 7 A Malayay Azerbaijan State	
additional literature	2. Ergonomics and Lat University of Economics M	Junistry of Education of the Republic of	
	Azerbaijan Baku-2018	mistry of Education of the Republic of	
	3 Advances in Ergono	mics In Design Usability & Special Populations	
	Part II 20014		
	Ergonomics and Design A Reference Guide 2006 Allsteel Inc		
Course outline	"Ergonomics" is a scientific discipline that studies the functional canabilities		
	of a person in the work and household processes and distinguishes the		
	requirements for creating optimal conditions for useful life activity and highly		
	productive work.		
	This subject is designed to familiarize students with the essence, purpose and		
	tasks of the science of ergonomics, the essence of an activity that studies the		
	human factor.		
	The basic function of ergonomics is to increase performance by improving		
	employee health and occ	cupational safety by ensuring that the work	
	organization is arranged in	accordance with the physical and psychological	
	characteristics of people so that people can work efficiently, healthily and		
	safely in the workplace.		
	The aim of ergonomics is	to improve the design of products, systems and	
	environments in order to optimize their safety, efficiency and usability for		
	humans. Ergonomics aims to ensure that tools, equipment and environments		
	are designed to suit the need	ds and abilities of the people who will use them.	
Course objectives	"Ergonomics" is a scientific discipline that studies the functional capabilities		
	of a person in the work	and household processes, and distinguishes the	

	requirements for creating optimal conditions for useful life activity and h productive work.			
	This subject is designed to familiarize students with the essence, purpose and tasks of the science of ergonomics, the essence of an activity that studies the human factor.			
	The basic function of ergonomics is to increase performance by improving employee health and occupational safety by ensuring that the wo organization is arranged in accordance with the physical and psychologic characteristics of people so that people can work efficiently, healthily and safely in the workplace.			
Results of teaching	The aim of ergonomics is to improve the design of products, systems and environments in order to optimize their safety, efficiency and usability for humans. Ergonomics aims to ensure that tools, equipment and environments are designed to suit the needs and abilities of the people who will use them. In the process of general teaching of the subject, students:			
	they should know:			
	• Perception of the methodological basis of ergonomics:			
	 Assimilation of general information on ergonomic design; 			
	• "Perception of human-machine-muhit" connection;			
	• Interactions with external and internal connections in the system "			
	human-machine-environment ";			
	• To perform ergonomic analysis;			
	Ergonomic normative rules;			
	• Use of ergonomic norms in the field of design and architecture;			
	they should be able to:			
	• Understand the ergonomic security of design and architecture projects,			
	the factors that combine ergonomics and design, and the development of joint activities;			
	• The concept of the work environment, works, their classification and			
	the interaction of elements, as well as the structure of the object and the shape			
	and structure of the object, understand the method of determining the ratio of			
	static and dynamic dimensions of the human figure and technical device;			
	They should also be able to analyze the organization of the work environment, including data reflection tools, visual information systems, light-color solution at production facilities, environmental factors:			
Teaching methods	Analysis of a practical issue	+	-	
	Group discussion +		-	
	Practical tasks +			
Evaluation	Components	History/last term	Percent (%)	
	Attendance		5	
	Assignment Midtorm over		15	
	A ofivity		<u> </u>	
	Асимну		15	

	Final exam		35
	Final		100
Rules	Presentation		
(Teaching policy and	Lectures on Principles of design will be given by the subject teacher, and		
behavior)	lectures and assignments will be processed in relevant design programs. Tasks		
	will be performed based on the selected topic. In addition to discussing the		
	solution of the tasks with the teacher, the students will also put their theoretical		
	knowledge into practice.		
	Students will present their individual projects at the end of the course.		
	It will be evaluated in the midterm (30 points) and final (35 points) exam.		
	The project must be submitted by the student. The purpose of this		
	assignment is to teach future designers the skills of presenting, doing a		
	little research in a short period of time, and designing.		
	The presentation must be submitted during the months of September and		
	October before the midterm exam. No additional time is allowed to		
	submit after the last week of classes.		
	Note: In accordance with the purpose of the subject, the projects must be		
	prepared individually by the student in a graphic design program, without		
	plagiarism.		
	Homework assigned to the student will be checked each lesson and 1 point		
	will be given for each completed task. At the end of the semester, this will		
	be evaluated as a minimum of 0 and a maximum of 15 points.		
	Exception: If the student informed the dean of the faculty in		ilty in advance that
	he/she will not be able to participate in the handover phase of the wor		e of the work due to
	valid reasons (related to family situation and health), or if he/she has submitted		
	any related document (application or reference), only in this case the student		
	will be able to attend after the deadline. can hand over the work.		
	Attendance:		
	The maximum score for class attend	lance is 5 points. The	number of points is
	based on: if the student attends all c	lasses in the subject of	luring the semester,
	he is given 5 points. If the total number of lessons missed during the semester		
	for the subject exceeds the prescribe	ed limit of 25% (illne	ss, family situation,
	etc.), the student is not admitted to t	he exam session and	a certain decision is
	made about him.		
	Exams:		
	The mid-term exam will be held on a	subjects taught in Sep	tember and October
	(after the project is handed over), an	nd the final exam will	be held on subjects
	taught in November and December (after the project is handed over). The procedure for completing the subject.		nded over).
	The student's knowledge is evaluated	ted with a maximum	of 100 points. An
	overall success rate of 60% and above	ve is considered to con	nplete the course. A
	student with a deficit can take this	subject again in the r	next semester or the
next year.			
	Rules of conduct of the student.		
	A student is not allowed to violate t	he University's intern	al disciplinary rules

		and use a mobile phone. It is forbidde	en to violate the educational process and	
		ethical rules during the lesson. Unaut	horized discussions between students are	
		also prohibited during class.		
Chart				
Week	History	Topics of the subject	Lessons/Tasks	
1. 1		Basics of ergonomics.	Presentation №1	
2.		Incense stages of ecognomics. Excerpt from the field. The effect is the study of the region.	Presentation №2	
3.		Excerpts of ergomics. Amiles who set ergonomic requirements. Issues that ensure the coagulation of the insect in the mammary environment. Lightning-complex as the object of the ergonomic analiz. Technician Lightning. Ring shades and insect yard activity in a mega-environment. The effect of race and light on the gavrasm of Mecca volumes.	Presentation №3	
4.		Expropriation requirements.	Presentation №4	
5.		Ergonomics and supply of different types of environments.	Presentation №5	
6.		Dynamics of form in composition Design a dynamic composition based on simple features; Establishment of volume composition based on simple features;	Presentation №6 Repetition and discussion of topics.	
7.		Midterm exam		
8.		Tasks of ergodesign in environmental design.Ergonomic program of living environment design.The main equipment elements that ensure the completeness of the environment.Ergonomic requirements for furniture.Habitat equipment.The object complex of the living environment. Ergonomic assessment of kitchen equipment.Bathroom equipment.Designing the environment for the child.	Presentation №7-8	
9.		Furnishing of interiors of public buildings. Organization of the workplace and arrangement of furniture in the office.	Presentation №9	

	Equipping school and pre-school institutions with equipment.	
	Supply of healthcare institutions.	
10.	Ergonomics of the living environment of the elderly and disabled.	Presentation №10
	Ability to work. Types and causes of disability.	
	Ergonomics requirements for the urban environment, taking into account the needs of the elderly and the disabled.	
	Organization of a comfortable environment for disabled children.	
11.	Ergonomic aspects of environment design and perception.	Presentation №11
	Visual environment and vision physiology.	
12.	Ergonomics of perception of environmental objects and systems.	Presentation №12
	Interaction of perception and information.	
	The role of "gestalts" in perception processes.	
	Perspective "stereotypes"	
	Visual distortions	
13.	The importance of cognitive psychology for ergonomic design of the environment	Presentation №13
	Formation of architectural prototypes as a	
	means of environment recognition.	
14.	Ergonomics and educational system environment design.	Presentation №14
15.	Differentiation of conditions in the	Presentation №15
	environmental system from the perspective of ergonomic design approach.	Repetition and discussion of topics.

Təsdiq edir: <u>Dos. Abbasova Ş.A.</u> Memarlıq və dizayn departamentinin rəhbəri